

P90 Injection Resin

Aqua-reactive PU Injection Resin

Stabila P90 is a low viscosity, solvent free, one component polyurethane injection resin primarily for controlling water flows through cracks, joints or fissures in structures. Stabila P90 Accelerator is added to Stabila P90 to vary the speed of reaction, at recommended maximum accelerator dosage P90 will react sufficiently fast to cut off active or gushing water flows, even under pressure. When mixed P90 comes into contact with water, a reaction occurs that produces a rapidly expanding foam, the expansion acts to close off flow paths and hence control movement of free water. For general crack injection/leak-sealing, accelerator dosage not exceeding 5% is normally sufficient. The cured foam is slightly flexible, hydrophobic and chemically resistant. It is harmless to the environment and resists biological attack

Uses

Injecting into cracks and open fissures in concrete and masonry structures where water leaks are to be controlled.

Injection into open, granular soils where specialised stabilisation is required.

Advantages

An extremely efficient injection resin for leak sealing use where flowing water is encountered.

Exhibits excellent penetration into voids and porous substrates.

Application

Stabila P90 injection is by single component pump through injection packers or ports as appropriate.

Speed of reaction is dependent on percentage of accelerator used and water temperature. Cold water will increase reaction times.

Where cold water, or relatively fast water flows occur, higher accelerator dosage is necessary. There is no advantage to be gained by increasing the accelerator dose beyond the recommended maximum.

Stabila P90 may be used to control reasonably fast flowing water or water under pressure, but where such conditions are encountered, please contact our Technical Department before use.

Package & Storage

Stabila P90 is supplied in 20kg drums. P90 accelerator is supplied in 2kg plastic containers. Store in original containers in a dry area, protect from heat and sunlight. Once opened, use as soon as possible.

Health & Safety

Avoid contact with eyes and skin. Follow advice in separate Health & Safety data sheet.

Technical data

	P90	P90 Accelerator
Form	Liquid	Liquid
Viscosity (25°C)	90 mPas	8 mPas
Colour	Brown	Clear
Specific gravity (20°C)	1.15	0.98
Flashpoint (TOC)	>150°C	>150°C
Mixing ratio	2.5% to 10% Accelerator by weight	
Application temp	Not less than 5°C	

Reaction times (20°C)

% Accel dosage	Induction time	Gel time
6% “	15 sec	1 min 10 sec
8% “	12 sec	55 sec
10% “	9 sec	45 sec